White Knight
domestic appliances

SERVICE MANUAL

White Knight UK

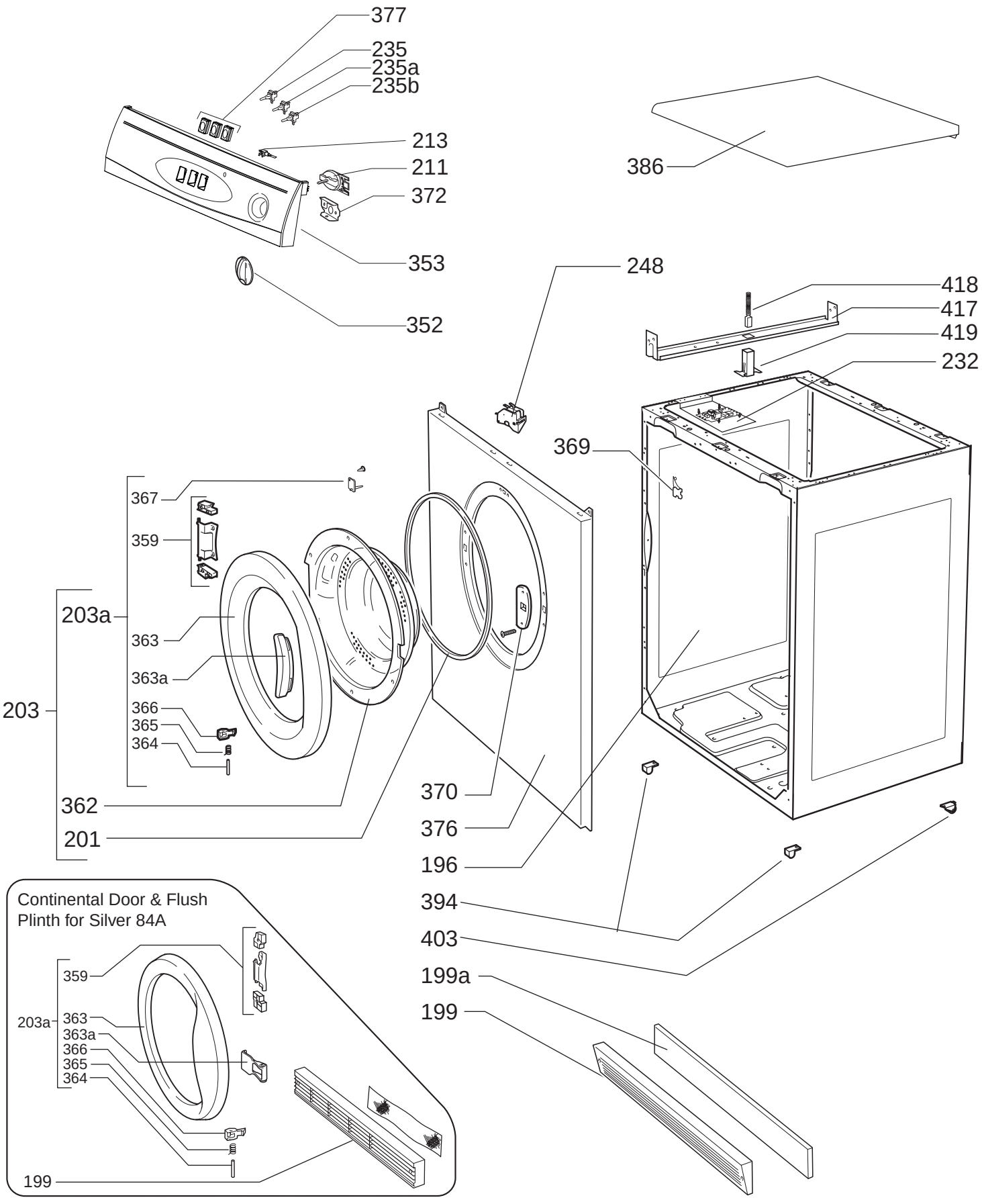
'A' Class Rotary Sensing Reversing Dryer

0312 84A 15900 - 84AW - White
0312 84A 15300 - 84AS - Silver

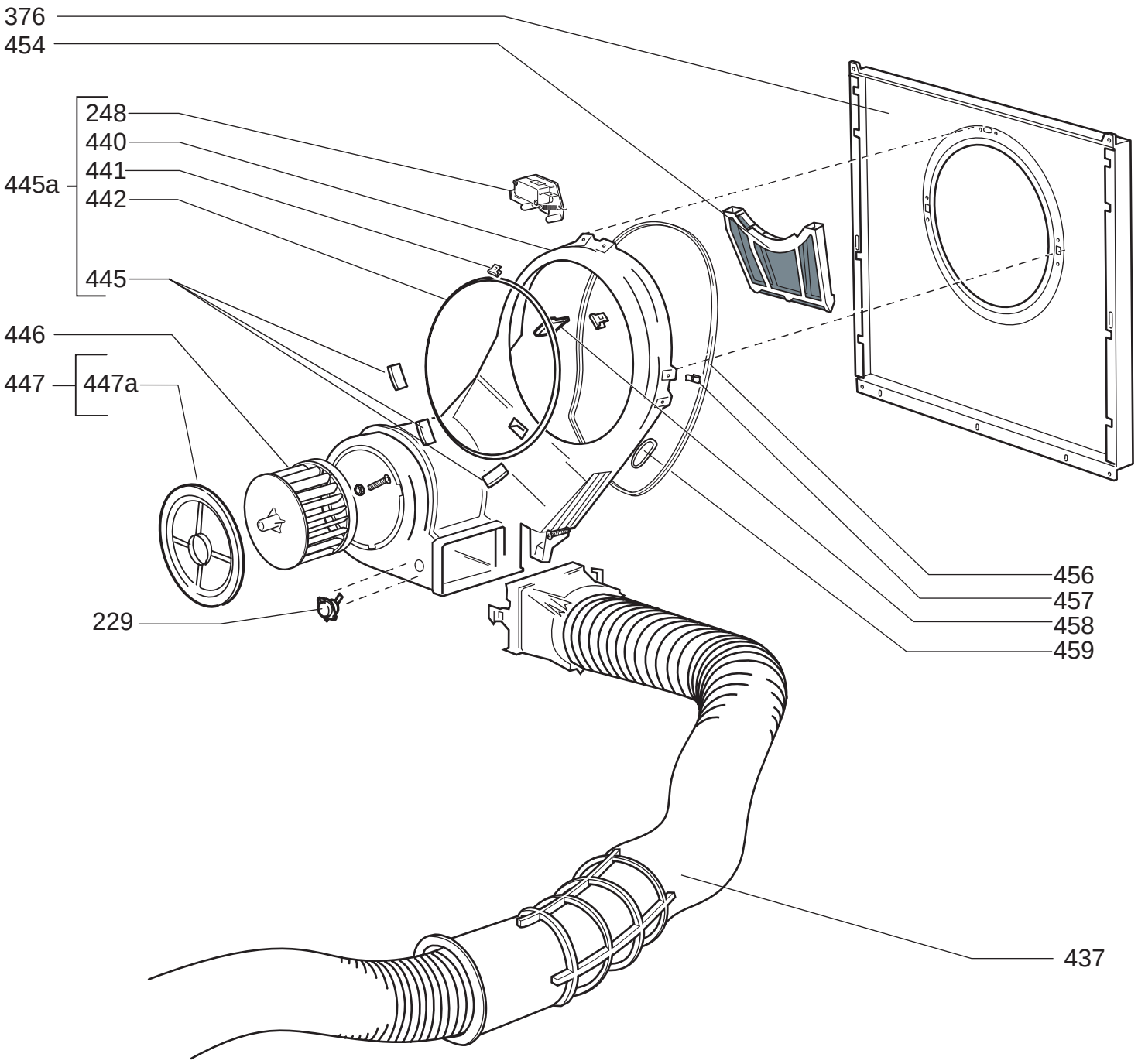
Wiring Diagram
Exploded Views
Parts List

October 2008

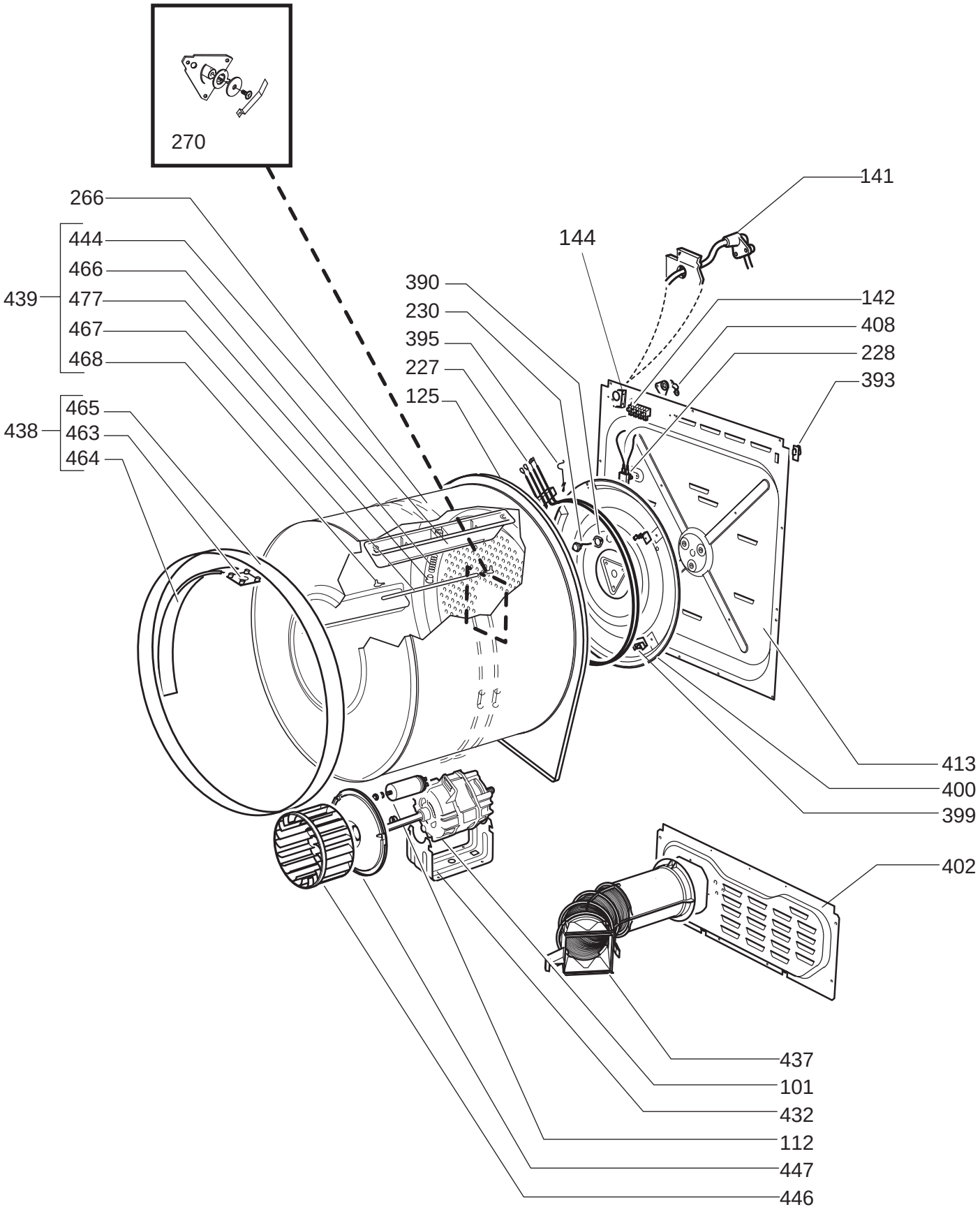
White Knight A Class Dryer - Exploded View 1



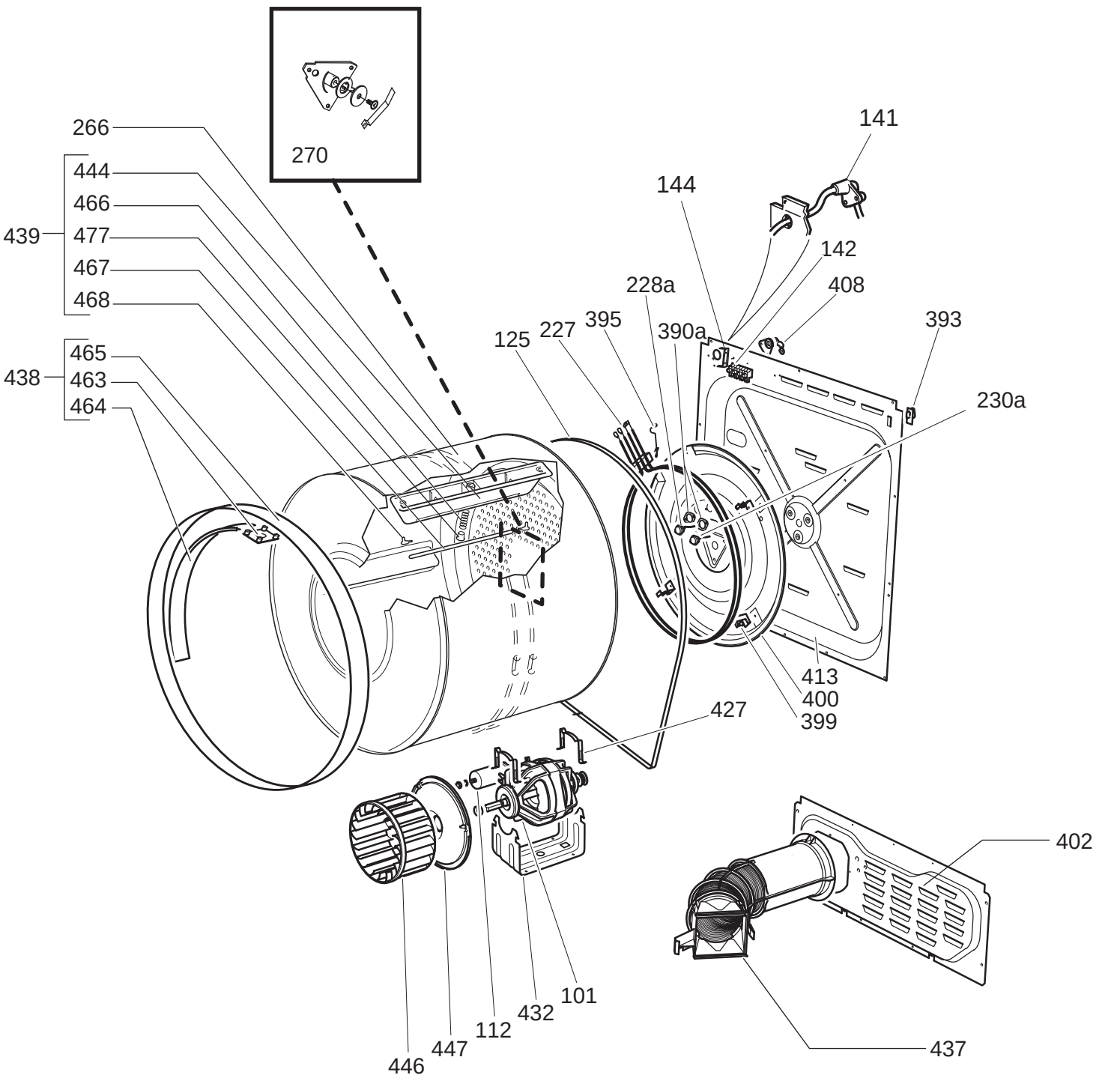
White Knight A Class Dryer - Exploded View 2



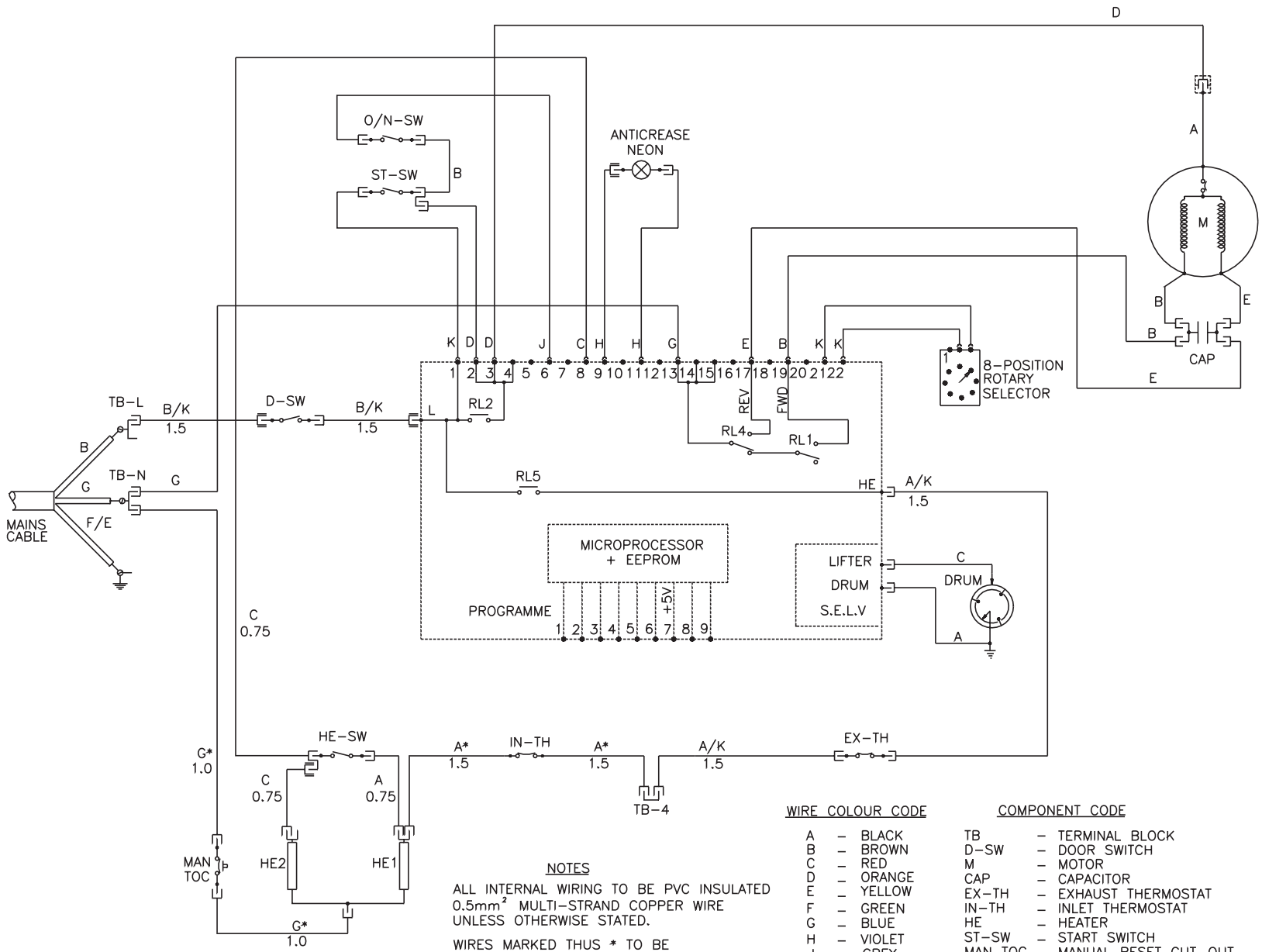
White Knight A Class Dryer - Exploded View 3



White Knight A Class Dryer - Exploded View 3a



(MK 4 PCB) - Wiring Diagram



NOTES

ALL INTERNAL WIRING TO BE PVC INSULATED 0.5mm² MULTI-STRAND COPPER WIRE UNLESS OTHERWISE STATED.

WIRES MARKED THUS * TO BE SILICONE RUBBER INSULATED WIRE.

WIRE COLOUR CODE

A	–	BLACK
B	–	BROWN
C	–	RED
D	–	ORANGE
E	–	YELLOW
F	–	GREEN
G	–	BLUE
H	–	VIOLET
J	–	GREY
K	–	WHITE
N/A	–	PINK

COMPONENT CODE

TB	–	TERMINAL BLOCK
D-SW	–	DOOR SWITCH
M	–	MOTOR
CAP	–	CAPACITOR
EX-TH	–	EXHAUST THERMOSTAT
IN-TH	–	INLET THERMOSTAT
HE	–	HEATER
ST-SW	–	START SWITCH
MAN TOC	–	MANUAL RESET CUT-OUT
O/N-SW	–	OVER-NIGHT SWITCH
HE-SW	–	HEAT SWITCH

Item	Description	Code	Expl.View
101	CO40 Hi-Speed Motor & 8µf Capacitor Assembly	4213 092 35871	3
112	8µf Capacitor	4213 092 08091	3
125	Drive Belt	4213 092 19501	3
141	Mains Cable & Plug	4213 076 35123	3
142	Terminal Block	4213 078 44613	3
144	Earth Tab Assembly	4213 092 41181	3
196	**Cabinet - Euro White**	**4213 092 17761**	**1**
196	**Cabinet - Mid White**	**4213 092 43691**	**1**
196	**Cabinet Assembly (silver)**	**4213 092 36261**	**1**
199	**Modified Ignis Plinth - Euro White**	**4213 092 36761**	**1**
199	**Modified Ignis Plinth - Mid White**	**4213 092 46321**	**1**
199	**Stack Plinth (silver)**	**4213 092 36271**	**1**
199a	**Metal Plinth Pressed - Euro White**	**4213 081 11401**	**1**
199a	**Metal Plinth Pressed - Mid White**	**4213 089 92831**	**1**
201	Door Seal	4213 077 08344	1
203	**Complete Curveline Door & Window Assembly - Euro White**	**4213 092 28061**	**1**
203	**Complete Curveline Door & Window Assembly - Mid White**	**4213 092 45611**	**1**
203	**Complete Continental Door & Window Assembly (silver)**	**4213 092 36281**	**1**
203a	**Curveline Door Frame Assembly - Euro White**	**4213 092 17771**	**1**
203a	**Curveline Door Frame Assembly Mid White**	**4213 092 45621**	**1**
203a	**Continental Door Frame Assembly (silver)**	**4213 092 36091**	**1**
211	Dreef 8 Position Rotary Switch	4213 078 54732	1
213	Neon Assembly	4213 092 09901	1
227	Heating Element	4213 092 30761	3
228	**Heat TOC**	**4213 078 50161**	**3**
228a	**Heat TOC**	**4213 078 57371**	**3a**
229	Thermostat	4213 078 48373	2
230	**Thermostat (inlet)**	**4213 078 56261**	**3**
230a	**Thermostat (inlet)**	**4213 078 57361**	**3a**
232	Programmed PCB	4213 078 56391	1
235	Heat Switch (E1026)	4213 078 52401	1
235a	Overnight Switch (E2037)	4213 078 52762	1
235b	Start Switch (E1026)	4213 078 52401	1
248	Microswitch/Bracket Assembly	4213 092 05251	1 & 2
266	Drum Assembly	4213 092 34441	3
270	Drum Shaft/Bearing Kit	4213 092 31121	3
352	**Timer Knob Assembly - Euro White**	**4213 092 42701**	**1**
352	**Timer Knob Assembly - Mid White**	**4213 092 45741**	**1**
352	**Control Knob Assembly (silver)**	**4213 092 43331**	**1**
353	**Control Panel Assembly - Euro White**	**4213 092 43341**	**1**
353	**Control Panel Assembly - Mid White**	**4213 092 46331**	**1**

Please note, bold text indicates choice of more than one part

353	**Control Panel Assembly (silver)**	**4213 092 43351**	**1**
359	Door Hinge Assembly	4213 092 26071	1
362	Window	4213 077 44095	1
363	**Ignis Door Frame - Euro White**	**4213 077 52694**	**1**
363	**Ignis Door Frame - Mid White**	**4213 077 92252**	**1**
363	**Continental Door Frame (silver)**	**4213 077 82721**	**1**
363a	**Ignis Door Handle Inner - Euro White**	**4213 077 52982**	**1**
363a	**Ignis Door Handle Inner - Mid White**	**4213 077 92261**	**1**
363a	**Continental Door Handle (silver)**	**4213 077 82861**	**1**
364	Latch Pivot	4213 075 13013	1
365	Latch Spring	4213 075 70833	1
366	Door Latch	4213 077 53413	1
367	Switch Strike	4213 077 83571	1
369	Loom Clip	4213 075 70941	1
370	Latch Guide	4213 077 40992	1
372	Timer Bracket	4213 070 10932	1
376	**Front Panel Assembly - Euro White**	**4213 092 18271**	**1 & 2**
376	**Front Panel Assembly - Mid White**	**4213 092 45681**	**1 & 2**
376	**Front Panel Assembly (silver)**	**4213 092 36301**	**1 & 2**
377	**Buttons Assembly - Euro White**	**4213 092 43361**	**1**
377	**Buttons Assembly - Mid White**	**4213 094 46341**	**1**
377	**Buttons Assembly (silver)**	**4213 092 45581**	**1**
386	**Ellipse Top Cover Assembly - Euro White**	**4213 092 42721**	**1**
386	**Ellipse Top Cover Assembly - Mid White**	**4213 092 46211**	**1**
386	**Ellipse Top Cover Assembly (silver)**	**4213 092 43371**	**1**
390	**Gasket**	**4213 074 50862**	**3**
390a	**Gasket**	**4213 092 45121**	**3a**
393	Flex Support Clip	4213 077 40982	3
394	Foot	4213 077 39832	1
395	Heater Wires Clip	4213 075 70971	3
399	Heater Support	4213 080 06619	3
400	Heater Plate	4213 070 06488	3
402	Access Panel	4213 080 06558	3
403	Roller	4213 092 36561	1
408	Cable Clamp	4213 077 47303	3
413	Back Panel	4213 080 0654B	3
417	Brush Holder Support RH	4213 070 12773	1
418	Brush Assembly	4213 078 45023	1
419	Brush Holder	4213 077 39503	1
432	Motor Mount Bracket Kit	4213 092 36341	3
437	Extendable Rear Vent Assembly (Short)	0312 002 01000	2 & 3
438	Slip Ring Assembly	4213 092 05731	3
439	Sensing Strip Assembly	4213 092 05691	3
440	Banjo Assembly	4213 092 17811	2
441	Front Bearing (short)	4213 077 40952	2
442	Front Seal	4213 077 61701	2

Please note, bold text indicates choice of more than one part

444	Lifter	4213 077 41248	3
445	Front Bearing (long)	4213 077 40962	2
445a	Bearings & Seal Kit Assy	4213 092 21171	2
446	Fan Hi Speed Keyed	4213 092 18901	2 & 3
447	Access Cover Assembly	4213 092 18081	2 & 3
447a	Access Cover	4213 077 40888	2
454	White 'Vee' Filter	4213 092 18351	2
456	Banjo Seal	4213 077 07991	2
457	J' Clip	2513 482 08002	2
458	Banjo Insert No 2	4213 077 53502	2
459	Banjo Insert No 1	4213 077 53492	2
463	Location Grommet	4213 077 07711	3
464	Slip Ring Insulator	4213 077 41253	3
465	Slip Ring	4213 075 13141	3
466	Ring Spring	4213 075 70931	3
467	Sensing Strip	4213 075 13152	3
468	Sensing Strip Clip	4213 077 41176	3
477	Ring Spring Plug	4213 074 81353	3

Not shown on exploded views

Loom Assembly	4213 076 58563

Capacitor Bracket	4213 070 09324
User Instruction Booklet	4213 094 84426

All machines manufactured on or after Mon 06th August will be built using Mid White plastic and painted parts.
To identify these machines /21 is added to the 12 digit code on the rating plate.

We are in the process of developing a new Heat TOC and Inlet thermostat design *to avoid nuisance operations. Tumble dryers with the following serial numbers have* been fiited with the improved combination of thermostats, and have had removed the black open-bladed Heat TOC (see - expolded view 3, item 288) and Inlet *thermostat (see - exploded view 3, item 230).*

To identify these machines, they will have serial numbers -
From 0840 252452 to 0840 252501

The improved design uses both a new Inlet thermostat and heat TOC combination. These must be used as a pair and is not to be swapped with exsisting parts, or used on dryers with the black open-bladed Heat TOC (see exploded view 2a, item 228a) please order the correct new parts indicated by bold text in the parts list.

If the Heat TOC has tripped and needs to be reset, it can only be reset from inside the dryer, by removing the backpanel and depressing the small red button on the rear of the Heat TOC. If the Heat TOC has tripped, the most likely reason is that the Inlet thermostat has failed and must be replaced. Nuisance operation is most unlikely, always look for a cause.

Please note, bold text indicates choice of more than one part